

US009636179B2

(12) United States Patent

Singh et al.

(54) SURGICAL DRAPE SYSTEM FOR UROLOGY PROCEDURES ON MALE PATIENTS

(75) Inventors: Errol O. Singh, Columbus, OH (US);

Ake A. Hellstrom, Columbus, OH (US)

(73) Assignee: Ohio Urologic Research, LLC,

Columbus, OH (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 352 days.

(21) Appl. No.: 13/983,995

(22) PCT Filed: Feb. 8, 2012

(86) PCT No.: PCT/US2012/024246

§ 371 (c)(1),

(2), (4) Date: Sep. 20, 2013

(87) PCT Pub. No.: WO2012/109306

PCT Pub. Date: Aug. 16, 2012

(65) Prior Publication Data

US 2014/0007886 A1 Jan. 9, 2014

Related U.S. Application Data

- (60) Provisional application No. 61/441,267, filed on Feb. 9, 2011.
- (51) Int. Cl.

 A61B 19/08 (2006.01)

 A61B 46/20 (2016.01)

 A61B 46/00 (2016.01)

(10) Patent No.: U

US 9,636,179 B2

(45) Date of Patent:

May 2, 2017

(58) Field of Classification Search

(56) References Cited

U.S. PATENT DOCUMENTS

2,842,130 A 7/1958 Seidler 3,799,161 A 7/1958 Collins (Continued)

FOREIGN PATENT DOCUMENTS

CN 201036566 3/2008 GB 1 500 009 11/1974 (Continued)

Primary Examiner — Tarla Patel (74) Attorney, Agent, or Firm — Standley Law Group LLP

(57) ABSTRACT

A simple surgical drape system of generally flat shape for male urology procedures that provides full isolation of top versus bottom surface by a sealing fenestration surrounding the meatus area. It is achieved by manually forming the flat drape to a tent-like shape around the penis with a fenestration aperture smaller than glans diameter, supported by and sealing to the glans tip, and then attaching a penile clamp to hold the drape. This allows a simplified safer antibacterial preparation and less chance of infection complications. The sealed design permits better management of urology liquids, and can use absorption pad on drape top side. The drape wrinkles act as a penile position stabilizer, reducing need for extended use of the one operator hand for penile support. Drape is removable with catheter in place.

33 Claims, 12 Drawing Sheets



